

SEQUENCE LISTING

<110> FISCHETTI, Vincent
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ECH CENTER 1600/2900

<120> THE USE OF BACTERIAL PHAGE ASSOCIATED LYSING ENZYMES FOR THE PROPHYLACTIC AND THERAPEUTIC TREATMENT OF COLONIZATION AND INFECTIONS CAUSED BY STREPTOCOCCUS PNEUMONIAE

- <130> STREPSEQ-1 <140> US 09/960,472 <141> 2001-09-21 <150> US 09/846,688 2001-05-02 <151> <150> US 09/497,495 <151> 2000-04-18 <150> US 09/395,636 <151> 1999-09-14 <150> US 08/962,523 <151> 1997-10-31 <160> 2 <170> PatentIn version 3.1 <210> 1 <211> 296 PRT <212> <213> bacteriophage Dp-1 Met Gly Val Asp Ile Glu Lys Gly Val Ala Trp Met Gln Ala Arg Lys Gly Arg Val Ser Tyr Ser Met Asp Phe Arg Asp Gly Pro Asp Ser Tyr
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- 35 40 45
- Ser Ala Gly Trp Ala Val Asn Thr Glu Tyr Met His Ala Trp Leu Ile 50 60
- Glu Asn Gly Tyr Glu Leu Ile Ser Glu Asn Ala Pro Trp Asp Ala Lys 70 75 80
- Arg Gly Asp Ile Phe Ile Trp Gly Arg Lys Gly Ala Ser Ala Gly Ala 85 90 95
- Gly Gly His Thr Gly Met Phe Ile Asp Ser Asp Asn Ile Ile His Cys 100 105 110

Asn	Tyr	Ala 115	Tyr	Asp	Gly	Ile	Ser 120	Val	Asn	Asp	His	Asp 125	Glu	Arg	Trp	
Tyr	Tyr 130	Ala	Gly	Gln	Pro	Tyr 135	Tyr	Tyr	Val	Tyr	Arg 140	Leu	Thr	Asn	Ala	
Asn 145	Ala	Gln	Pro	Ala	Glu 150	Lys	Lys	Leu	Gly	Trp 155	Gln	Lys	Asp	Ala	Thr 160	
Gly	Phe	Trp	Tyr	Ala 165	Arg	Ala	Asn	Gly	Thr 170	Tyr	Pro	Lys	Asp	Glu 175	Phe	
Glu	Tyr	Ile	Glu 180	Glu	Asn	Lys	Ser	Trp 185	Phe	Tyr	Phe	Asp	Asp 190	Gln	Gly	
Tyr	Met	Leu 195	Ala	Glu	Lys	Trp	Leu 200	Lys	His	Thr	Asp	Gly 205	Asn	Trp	Tyr	
Trp	Phe 210	Asp	Arg	Asp	Gly	Tyr 215	Met	Ala	Thr	Ser	Trp 220	Lys	Arg	Ile	Gly	
Glu 225	Ser	Trp	Tyr	Tyr	Phe 230	Asn	Arg	Asp	Gly	Ser 235	Met	Val	Thr	Gly	Trp 240	
Ile	. Lys	Tyr	Tyr	Asp 245	Asn	Trp	Tyr	Tyr	Cys 250	Asp	Ala	Thr	Asn	Gly 255	Asp	
Met	. Lys	Ser	Asn 260	Ala	Phe	Ile	Arg	Tyr 265	Asn	Asp	Gly	Trp	Tyr 270	Leu	Leu	
Leı	Pro	Asp 275	Gly	Arg	Leu	Ala	Asp 280	Lys	Pro	Gln	Phe	Thr 285	Val	Glu	Pro	
Asp	Gly 290	Leu	Ile	Thr	Ala	Lys 295	Val									
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